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(71) Applicant (for all designated States except US): **FIL-TRONIC PLC** [GB/GB]; The Waterfront, Salts Mill Road, Saltaire, Shipley BD18 3TT (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **KUVER, Atul** [AU/GB]; 3 Clowbeck Court, Darlington DL3 0BQ (GB).  
**ZHOU, Yi** [CN/GB]; 72 Neville Road, Darlington DL3 8NE (GB).

(74) Agent: **McDONOUGH, Johnathan**; Urquhart-Dykes & Lord LLP, Tower North Central, Merrion Way, Leeds LS2 8PA (GB).

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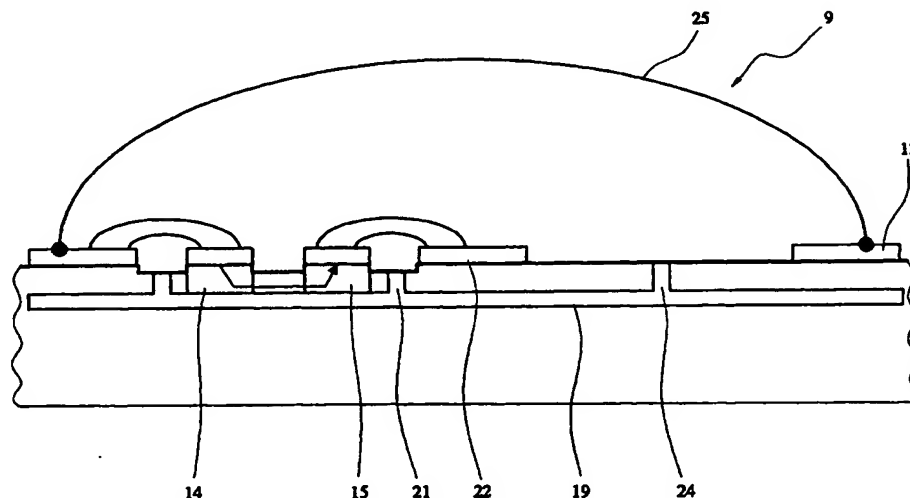
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(54) Title: A COPLANAR WAVEGUIDE LINE



(57) Abstract: A coplanar waveguide line (9) comprising a substrate (11); a central electrode strip (22) on the substrate; first (12) and second (13) electrode strips disposed on opposite sides of the central electrode strip and extending parallel thereto; first (14) and second (15) optical waveguides on the substrate, the optical waveguides being positioned between the first and central electrode strips and extending parallel thereto; the central electrode comprising at least one T-rail extending proximate to the first optical waveguide; the first electrode comprising at least one T-rail extending proximate to the second optical waveguide; the substrate comprising an n<sup>+</sup> electrically conducting layer (19) extending between the optical waveguides; wherein the coplanar waveguide line further comprises an electrical connection (23) between first and second electrode strips.

WO 2005/052681 A3



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